

# KC016002Z ( 16 CHARACTERS × 2 LINES )

## FEATURES

- ◆ BUILT-IN CONTROLLER ( ST7920 OR EQUIVALENT )
- ◆ +5.0V POWER SUPPLY
- ◆ 1/32 DUTY CYCLE
- ◆ 8-BIT PARALLEL INTERFACE
- ◆ CHARACTER FORMAT 16×16 DOTS

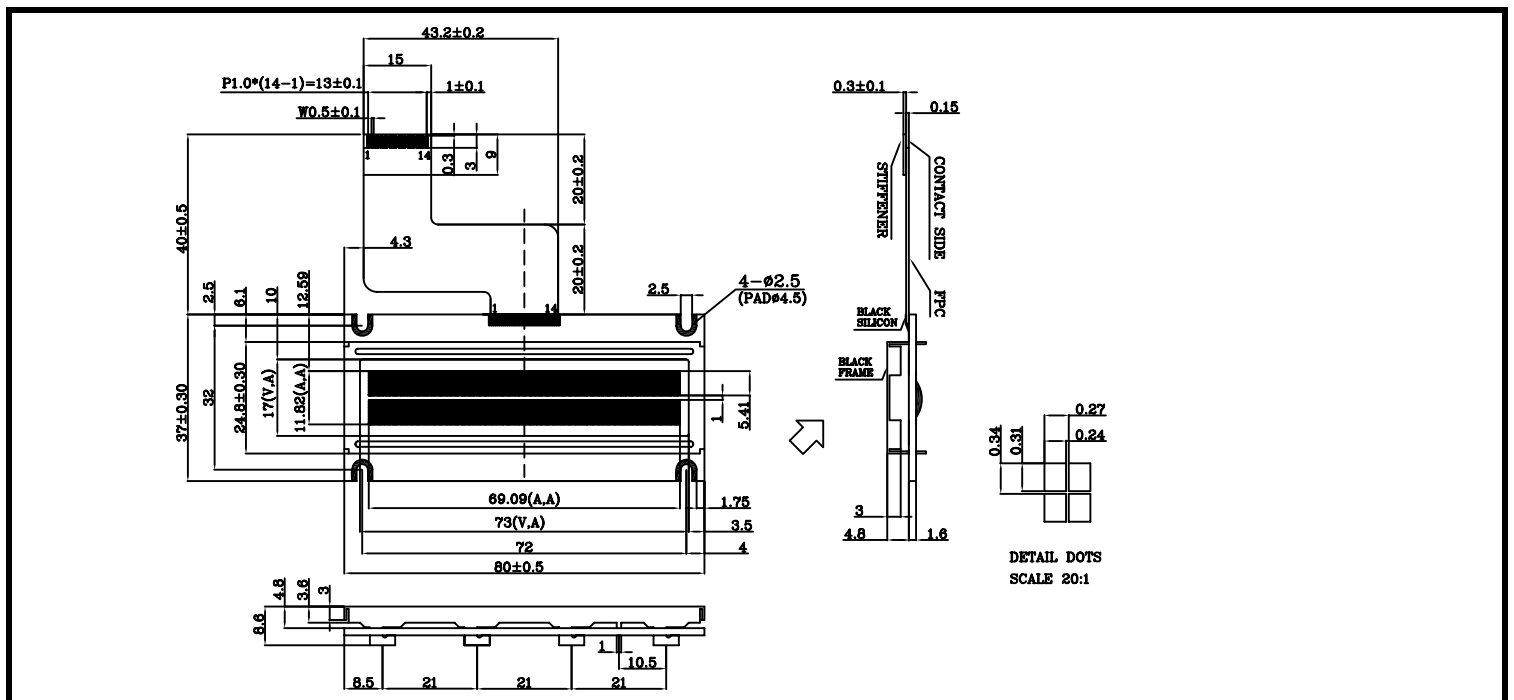
## INTERFACE PIN CONNECTIONS

NO	SYMBOL	FUNCTION	NO	SYMBOL	FUNCTION
1	VSS	0V	8	DB1	Data Bit 1
2	VDD	5V	9	DB2	Data Bit 2
3	VPP	Contrast Adj.	10	DB3	Data Bit 3
4	RS	Resister Select	11	DB4	Data Bit 4
5	R/W	Read/Write	12	DB5	Data Bit 5
6	E	Enable Signal	13	DB6	Data Bit 6
7	DB0	Data Bit 0	14	DB7	Data Bit 7

## MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size ( W × H × T )	80×77×8.6	mm
Viewing Area ( W × H )	73×17	mm
Active Area ( W × H )	69.09×11.82	mm
Dot Size ( W × H )	0.24×0.31	mm
Dot Pitch ( W × H )	0.27×0.34	mm

## EXTERNAL DIMENSION



## ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONPITION	MIN.	TYP.	MAX.	UNIT
LCD Operating Voltage	$V_{DD}-V_0$	T=0°C	-	4.9	-	V
		T=25°C	-	4.8	-	V
		T=50°C	-	4.6	-	V
Supply Voltage For LCD	$V_{DD}-V_{SS}$	-	4.5	5	5.5	V
Supply Current For LCD	$I_{DD}$	-	-	-	1.5	mA
Input Voltage	“HIGH” Level	$V_{IH}$	-	2.2	-	$V_{DD}$ V
	“LOW” Level	$V_{IL}$	-	0	-	0.6 V
Output Voltage	“HIGH” Level	$V_{OH}$	-	2.4	-	$V_{DD}$ V
	“LOW” Level	$V_{OL}$	-	0	-	0.4 V

## BLOCK DIAGRAM

